

Title (en)

Metal halide lamp with enhanced red emission

Title (de)

Metallhalogenidlampe mit verbesserter Emission im Roten

Title (fr)

Lampe à halogénure métallique, avec émission rouge amélioré

Publication

EP 1878040 A2 20080116 (EN)

Application

EP 06728021 A 20060424

Priority

- IB 2006051264 W 20060424
- EP 05103586 A 20050429
- EP 06728021 A 20060424

Abstract (en)

[origin: WO2006117713A2] The invention relates to a metal halide lamp (1) combining a high luminous efficacy and a high red rendering. This is realized by a lamp comprising a discharge vessel (10) with a ceramic wall, the discharge vessel enclosing a discharge space (11) which contains two electrodes and an ionisable filling, which filling contains at least 20 mol % of a Ca-halide, and one or more halides selected from the group of T1 and the rare earths, wherein the ionisable filling comprises Mg-halide, Mn-halide, or a mixture thereof in a molar quantity of at least 5 mol %, and preferably between 10 and 15 mol % of the total quantity of halides.

IPC 8 full level

H01J 61/82 (2006.01)

CPC (source: EP US)

H01J 61/125 (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US)

Citation (search report)

See references of WO 2006117713A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006117713 A2 20061109; WO 2006117713 A3 20070405; CN 101167159 A 20080423; CN 101167159 B 20101208; EP 1878040 A2 20080116; EP 1878040 B1 20130213; JP 2008539543 A 20081113; JP 4991703 B2 20120801; US 2009278457 A1 20091112

DOCDB simple family (application)

IB 2006051264 W 20060424; CN 200680014724 A 20060424; EP 06728021 A 20060424; JP 2008508377 A 20060424; US 91239206 A 20060424